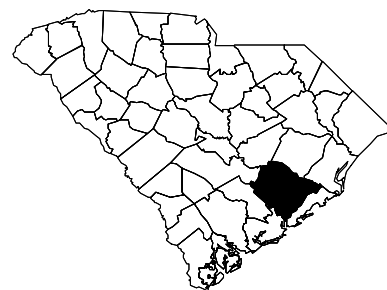


IMPACT OF CHRONIC CONDITIONS BERKELEY County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Berkeley county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The majority (42%) of the population in Berkeley county are between the ages of 18-44. The population under the age of 45 is (69%) which is higher than the state average (63%). There are more males (51%) than females (49%). Berkeley county's minority population (32%) is same to the state (32%). When adults in Berkeley county were asked about their general health status, 83.7% reported having excellent, very good, or good health in 2002 (SC was 83%).

	BERKELEY COUNTY	STATE
Population size	145,274	4,107,183
Age distribution (%)		
<18	27	24
18-44	42	40
45-64	23	24
65-84	8	11
85+	1	1
Race (%)		
White	69	68
Black & Other	32	32
Sex (%)		
Male	51	49
Female	49	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Berkeley county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	26	27
Sedentary lifestyle	36	42
Overweight	56	60
High Cholesterol	9	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons 65 years and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	28.4	.	.	.	.	28.4
Number of hospitalizations	108	69	39	40	68	5,173
Standard rate of hospitalizations (per 100,000)	90	205	43	63	107	125
Median age of hospitalized patients	63	58	68	53	68	63
Total cost of hospitalization (\$)	2,566,800	1,676,400	890,400	955,500	1,611,300	79,350,400
Average length of hospital stay (days)	6	7	4	4	7	5
Number of ED visits	223	129	94	88	135	7,306
Standard rate of ED visits (per 100,000)	172	330	109	145	198	175
Median age of ED patients	58	53	58	58	58	53
Total cost of ED visits (\$)	174,700	87,200	87,500	79,600	95,100	5,902,800
Number of deaths*	11	9	2	3	8	366
Standard death rate (per 100,000)*	12	33	5	6	15	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.23	.	.	.	.	5.13
Number of hospitalizations	670	130	540	413	257	30,831
Standard rate of hospitalizations (per 100,000)	548	389	612	711	401	734
Median age of hospitalized patients	68	68	68	63	68	68
Total cost of hospitalization (\$)	25,249,900	4,703,600	20,546,300	15,829,900	9,420,000	969,122,700
Average length of hospital stay (days)	5	6	5	5	6	5
Number of ED visits	52	12	40	25	27	2,754
Standard rate of ED visits (per 100,000)	43	39	44	42	42	66
Median age of ED patients	73	70	73	68	73	63
Total cost of ED visits (\$)	146,100	37,700	108,400	63,600	82,500	10,617,900
Number of deaths*	234	61	172	129	105	9,723
Standard death rate (per 100,000)*	235	220	253	296	187	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.9	.	.	.	.	2.38
Number of hospitalizations	361	115	246	147	214	14,317
Standard rate of hospitalizations (per 100,000)	337	365	326	299	358	351
Median age of hospitalized patients	68	68	68	68	73	73
Total cost of hospitalization (\$)	7,320,300	2,482,700	4,837,600	2,691,700	4,628,600	279,819,700
Average length of hospital stay (days)	5	7	5	5	6	6
Number of ED visits	89	26	63	41	48	2,732
Standard rate of ED visits (per 100,000)	83	78	86	97	79	67
Median age of ED patients	63	63	63	68	58	73
Total cost of ED visits (\$)	205,900	58,500	147,400	96,300	109,600	6,322,600
Number of deaths*	64	20	42	26	38	2,816
Standard death rate (per 100,000)*	70	77	66	70	70	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	417	117	300	160	257	14,524
Standard rate of hospitalizations (per 100,000)	344	311	352	303	388	351
Median age of hospitalized patients	58	48	58	53	58	58
Total cost of hospitalization (\$)	6,545,100	1,406,000	5,139,100	2,577,900	3,967,200	198,700,700
Average length of hospital stay (days)	5	4	5	4	5	5
Number of ED visits	1,423	680	743	571	852	37,517
Standard rate of ED visits (per 100,000)	997	1,521	751	812	1,195	914
Median age of ED patients	28	18	33	18	33	33
Total cost of ED visits (\$)	980,600	450,700	529,900	419,400	561,200	30,607,600
Number of deaths*	56	10	46	30	26	1,891
Standard death rate (per 100,000)*	55	37	64	77	45	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	9.15	.	.	.	.	8.33
Number of hospitalizations	205	92	113	85	120	8,652
Standard rate of hospitalizations (per 100,000)	153	244	118	129	175	207
Median age of hospitalized patients	53	53	53	53	53	53
Total cost of hospitalization (\$)	3,741,600	1,602,500	2,139,100	1,728,200	2,013,400	127,167,500
Average length of hospital stay (days)	7	7	7	7	7	6
Number of ED visits	198	109	89	75	123	9,316
Standard rate of ED visits (per 100,000)	156	293	97	125	181	224
Median age of ED patients	53	43	53	43	55	53
Total cost of ED visits (\$)	185,300	117,700	67,600	71,700	113,600	8,261,100
Number of deaths*	40	17	22	15	7	1,114
Standard death rate (per 100,000)*	34	56	25	33	17	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	764	300	464	253	511	24,644
Standard rate of hospitalizations (per 100,000)	607	794	529	479	747	591
Median age of hospitalized patients	58	53	63	63	53	58
Total cost of hospitalization (\$)	20,744,300	7,444,400	13,299,900	8,818,600	11,925,700	605,119,300
Average length of hospital stay (days)	6	6	6	8	5	6
Number of deaths*	237	59	171	132	105	8,320
Standard death rate (per 100,000)*	218	212	217	287	170	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	60	15	45	23	37	2,113
Standard rate of hospitalizations (per 100,000)	54	49	56	41	62	51
Median age of hospitalized patients	68	68	68	63	73	68
Total cost of hospitalization (\$)	2,222,400	497,700	1,724,700	842,500	1,379,900	80,248,200
Average length of hospital stay (days)	10	10	10	9	11	10
Number of deaths*	19	4	15	9	10	807
Standard death rate (per 100,000)*	19	16	19	18	18	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	32	10	22	.	32	1,465
Standard rate of hospitalizations (per 100,000)	24	24	24	.	45	35
Median age of hospitalized patients	58	60	58	.	58	63
Total cost of hospitalization (\$)	568,100	258,800	309,300	.	568,100	21,213,600
Average length of hospital stay (days)	3	5	2	.	3	3
Number of deaths*	14	1	13	-	14	630
Standard death rate (per 100,000)*	11	3	15	-	21	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	5	7	5	.	11	5
Median age of hospitalized patients	48	53	38	.	48	48
Total cost of hospitalization (\$)	98,600	29,400	69,200	.	98,600	3,668,300
Average length of hospital stay (days)	2	2	2	.	.	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	1	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	90	26	64	60	30	2,154
Standard rate of hospitalizations (per 100,000)	79	81	79	132	45	51
Median age of hospitalized patients	68	68	68	73	63	68
Total cost of hospitalization (\$)	4,534,800	813,700	3,721,100	2,521,100	2,013,700	70,474,400
Average length of hospital stay (days)	10	8	11	9	11	9
Number of deaths*	77	12	61	42	35	2,481
Standard death rate (per 100,000)*	70	46	74	93	55	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	41	14	27	41	.	1,353
Standard rate of hospitalizations (per 100,000)	31	42	26	66	.	32
Median age of hospitalized patients	63	63	63	63	.	68
Total cost of hospitalization (\$)	737,700	301,900	435,800	737,700	.	24,726,200
Average length of hospital stay (days)	4	5	3	4	.	4
Number of deaths*	19	6	13	19	-	478
Standard death rate (per 100,000)*	21	25	20	55	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

For more information about

Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH
Bureau of Epidemiology
SC Department of Health and Environmental Control
1800 St. Julian Place, Suite 406
Columbia, SC 29204
Tel (803) 545-4920

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

